

# EAST Search History

ALK

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	((("4451331") or ("5196069"))).PN.	USPAT	OR	OFF	2006/08/09 07:45
L2	110	435/278.ccls. and mechanical	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 07:46
L3	3245	pectinase	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 07:47
L4	19	I2 and L3	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 07:55
L5	680	pectin adj (esterase lyase)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 07:55
L6	3163	polygalacturonase	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 07:55
L7	6156	3 L5 L6	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:14
L8	396064	microorganism micro adj organism bacteria fungi	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:12
L9	282	7 with 8	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 07:56
L10	4665	((162/72) or (162/78) or (162/28) or (162/25) or (162/83) or (435/278) or (435/277) or (162/84) or (162/24) or (241/21) or (162/96) or (241/261.2) or (162/76)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/09 07:57

## EAST Search History

L11	675	((162/18) or (162/27) or (162/23) or (162/94) or (162/97)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/09 07:57
L12	5061	L10 L11	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 07:57
L13	14	9 and L12	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:04
L14	1	("4346175").PN.	USPAT	OR	OFF	2006/08/09 08:06
L15	413899	microorganism micro adj organism bacteria fungi microbiolog\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:13
L16	37015	(microorganism micro adj organism bacteria fungi microbiolog\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:13
L17	161251	(microorganism micro adj organism bacteria fungi microbiolog\$4).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:13
L18	56084	(microorganism micro adj organism bacteria fungi microbiolog\$4).ti.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:13
L19	723	7 same 15	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:14
L20	6	(16 17 18) and 12 and 19	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:19
L21	504	((162/25) or (162/26) or (162/27)). CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/09 08:19

## EAST Search History

L22	252	(435/278).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/09 08:20
L23	0	("21and22").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/09 08:20
L24	3	21 and 22	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/09 08:20
L25	28	("1138907"   "1873056"   "2528350"   "3962033"   "4225381"   "4451331"   "4576609"   "4599138"   "4655926"   "5055159"   "5066232"   "5196069"   "5223090"   "5460697"   "5607855"   "5620564"   "5705383"   "5711945"   "5750005"   "5766926"   "5851351"   "5853534"   "5865949"   "6406592"   "6613192").PN. OR ("7008505"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 08:46
L26	95	biomechanical adj pulp\$3 biopulp\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 08:47
L27	36678	pectin\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 08:48
L28	33	26 and 27	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 09:11
L29	13	pectinase with lignin	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 09:11
L30	4	((("6517680") or ("7005034"))).PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/09 11:00
S1	4663	((162/72) or (162/78) or (162/28) or (162/25) or (162/83) or (435/278) or (435/277) or (162/84) or (162/24) or (241/21) or (162/96) or (241/261.2) or (162/76)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/07/27 06:41
S2	675	((162/18) or (162/27) or (162/23) or (162/94) or (162/97)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/07/27 06:41

## EAST Search History

S3	45	(US-6261679-\$ or US-4552616-\$ or US-4486267-\$ or US-5002635-\$ or US-4849053-\$ or US-6296736-\$ or US-4773965-\$ or US-6387210-\$ or US-4388148-\$ or US-4767499-\$ or US-6267841-\$ or US-6284524-\$ or US-6280995-\$ or US-4247362-\$ or US-4836892-\$ or US-6429000-\$ or US-6399351-\$ or US-6066233-\$ or US-5487812-\$ or US-5433825-\$ or US-5582681-\$ or US-5620565-\$ or US-6001218-\$ or US-3652387-\$ or US-5311290-\$ or US-5460697-\$). did. or (US-5338405-\$ or US-5227021-\$ or US-4106979-\$ or US-4298426-\$ or US-6471727-\$ or US-4298427-\$ or US-4295926-\$ or US-4295927-\$ or US-5797985-\$ or US-5785809-\$ or US-6287708-\$ or US-6444314-\$ or US-4260452-\$ or US-6409881-\$ or US-6440547-\$ or US-4244778-\$ or US-6027610-\$ or US-6202946-\$ or US-4455195-\$). did.	USPAT	OR	ON	2006/08/07 08:37
S4	4663	((162/72) or (162/78) or (162/28) or (162/25) or (162/83) or (435/278) or (435/277) or (162/84) or (162/24) or (241/21) or (162/96) or (241/261.2) or (162/76)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/07/28 15:14
S5	675	((162/18) or (162/27) or (162/23) or (162/94) or (162/97)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/07/28 15:14
S6	5059	S4 S5	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/07/28 15:14
S7	27	S3 and S6	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 07:22
S8	4	ep-0430915-\$.did. wo-8902951-\$. did. wo-9220855-\$.did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/07/28 15:16

## EAST Search History

S9	3242	pectinase	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 07:22
S10	4665	((162/72) or (162/78) or (162/28) or (162/25) or (162/83) or (435/278) or (435/277) or (162/84) or (162/24) or (241/21) or (162/96) or (241/261.2) or (162/76)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/07 07:22
S11	675	((162/18) or (162/27) or (162/23) or (162/94) or (162/97)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/07 07:22
S12	5061	S10 S11	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 07:22
S13	60	S12 and S9	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 07:26
S14	45	(US-6261679-\$ or US-4552616-\$ or US-4486267-\$ or US-5002635-\$ or US-4849053-\$ or US-6296736-\$ or US-4773965-\$ or US-6387210-\$ or US-4388148-\$ or US-4767499-\$ or US-6267841-\$ or US-6284524-\$ or US-6280995-\$ or US-4247362-\$ or US-4836892-\$ or US-6429000-\$ or US-6399351-\$ or US-6066233-\$ or US-5487812-\$ or US-5433825-\$ or US-5582681-\$ or US-5620565-\$ or US-6001218-\$ or US-3652387-\$ or US-5311290-\$ or US-5460697-\$). did. or (US-5338405-\$ or US-5227021-\$ or US-4106979-\$ or US-4298426-\$ or US-6471727-\$ or US-4298427-\$ or US-4295926-\$ or US-4295927-\$ or US-5797985-\$ or US-5785809-\$ or US-6287708-\$ or US-6444314-\$ or US-4260452-\$ or US-6409881-\$ or US-6440547-\$ or US-4244778-\$ or US-6027610-\$ or US-6202946-\$ or US-4455195-\$). did.	USPAT	OR	ON	2006/08/07 08:19

## EAST Search History

S15	7	S14 and S13	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 07:23
S16	53	S13 not S15	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 07:27
S18	32377	aspergillus	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 08:25
S19	131	S12 and S18	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 08:19
S20	2124759	compress\$3 defibrat\$3 refin\$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 08:26
S21	41	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 08:20
S22	3941	aspergillus adj (aculeatus oryzae)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 08:26
S23	1202	a adj (aculeatus oryzae)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 08:26
S24	100441	(impregnat\$3 pretreat\$4) and (compress\$3 defibrat\$3 refin\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 12:04
S25	166	(S22 S23) and S24	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:41

## EAST Search History

S26	4	S12 and S25	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 08:28
S27	24	"5055159"	USPAT	OR	ON	2006/08/07 08:37
S28	1	"5055159".pn.	USPAT	OR	ON	2006/08/07 08:38
S29	680	pectin adj (esterase lyase)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 10:52
S30	4665	((162/72) or (162/78) or (162/28) or (162/25) or (162/83) or (435/278) or (435/277) or (162/84) or (162/24) or (241/21) or (162/96) or (241/261.2) or (162/76)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/07 10:52
S31	675	((162/18) or (162/27) or (162/23) or (162/94) or (162/97)).CCLS.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/07 10:52
S32	5061	S30 S31	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 10:52
S33	12	S29 and S32	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 10:52
S34	2	("4891096").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/08/07 11:07
S35	33	(compress\$3 with (impregnat\$3 pretreat\$4)) and (defibrat\$3 same refin\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 12:04
S36	2677089	speed rpm	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 12:05

## EAST Search History

S37	15	S35 and S36	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 12:07
S38	55608	(enzym\$4 pectinase (pectin adj (esterase lyase))) and (bleach\$3 peroxide)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 12:09
S39	1	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 12:09
S40	652774	(enzym\$4 pectinase (pectin adj (esterase lyase))) (bleach\$3 peroxide)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:17
S41	11	S37 and S40	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:11
S42	184	esterified adj pectin	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:04
S43	4	S32 and S42	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:04
S44	3154	polygalacturonase	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:12
S45	15	S32 and S44	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:12
S46	360420	enzym\$4 pectinase (pectin adj (esterase lyase))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:17



## EAST Search History

S47	460	S32 and S46	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:17
S48	3562	pectinase (pectin adj (esterase lyase))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:18
S49	60	S47 and S48	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:18
S50	3941	aspergillus adj (aculeatus oryzae)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:41
S51	1202	a adj (aculeatus oryzae)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:41
S52	4394	(S50 S51)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:41
S53	42	S32 and S52	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:56
S54	235	S52 and chip	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 14:56
S55	3	S32 and S54	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:02
S56	3242	pectinase	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:02

## EAST Search History

S57	6144	S56 S29 S44	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:02
S58	67	S52 with S57	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:06
S59	3	S32 and S58	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:42
S60	5	S52 with (impregnat\$3 pretreat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:45
S61	10	S53 and (impregnat\$3 pretreat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:50
S62	1	chip with polygalacturonase	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:51
S63	224	S44 and S52	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:51
S64	7	S32 and S63	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/07 15:51